

Application Number 10/599131  
Response to the Office Action dated March 19, 2009

### REMARKS

Favorable reconsideration of this application is requested in view of the following remarks.

Non-elected claims 9-13 have been canceled without prejudice.

Claims 1-8 have been rejected under 35 U.S.C. 103(a) as being unpatentable over Yamazaki et al. (U.S. Patent Application Publication No. 2004/0147066) in view of Lee et al. (U.S. Patent No. 6,509,100). Applicant respectfully traverses this rejection.

Yamazaki discloses a method of manufacturing a resist pattern using a resist material (see abstract). Yamazaki, however, fails to disclose a method of manufacturing a conductive pattern using molecules expressed by formula (1) or formula (2) as claim 1 requires. When the composition includes the resist material, the resist material, which is different from formulae (1) and (2) of claim 1, needs to be cured (see page 3, para. [0043]).

Lee discloses surface modifying agents having a fluorinated or semi-fluorinated carbon-containing tail group (see abstract). The surface modifying agents Lee discloses are expressed by a formula  $(R_f)_\alpha - \chi(Q)_\beta$ , wherein  $\chi$  is a carbon-containing group including at least one  $R^{HB}$  as an essential element of the compound (see coln. 4, lines 31-51).  $R^{HB}$  includes a peptide linkage ( $-C(O)-N(H)-$ ), urethane linkage ( $-O-C(O)N(H)-$ ), urea linkage ( $-N(H)-C(O)-N(H)-$ ), or mixtures or combinations thereof (*id.*). The linkages of Lee listed above are well-known groups that enhance hydrogen bonding due to the presence of electronegative atoms such as nitrogen and oxygen atoms. Lee, however, fails to disclose use of the molecules of formula (1) or (2) of claim 1, which requires  $-(CH_2)_{m, q, \text{ or } q'}-$  ( $m, q, \text{ and } q'$  are 8-18) but has no  $-N(H)-$  and  $-C(O)-$  in the molecules. The group of  $-(CH_2)_{m, q, \text{ or } q'}-$  in formula (1) or (2) of claim 1 does not include electronegative atoms such nitrogen and carbon. Since Lee emphasizes the importance of the hydrogen bonding (see 3, lines 65 – coln. 4, line 2 and coln. 5, line 65 – coln. 6, line 5), Lee actually teaches away from the compounds of formulae (1) and (2) in

Application Number 10/599131  
Response to the Office Action dated March 19, 2009

claim 1, which do not include the peptide, urethane, or urea linkage critical to Lee's purposes.

Further, Lee discloses the surface modifying agents that are for treating surfaces to provide non-wettable, non-stick, friction-reducing, corrosion or corrosion resistant properties (see coln. 2, lines 5-15) but fails to suggest that the agents can be used as a substitute for a resist material. Therefore, there is no reasonable basis to consider using Lee's agents in the method of Yamazaki.

For at least the same reasons as discussed above, claim 4 also is distinguished from Yamazaki in view of Lec. Accordingly, this rejection should be withdrawn.

In view of the above, Applicant requests reconsideration of the application in the form of a Notice of Allowance.



Dated: May 22, 2009

DPM/my/ad

Respectfully submitted,

HAMRE, SCHUMANN, MUELLER &  
LARSON, P.C.  
P.O. Box 2902  
Minneapolis, MN 55402-0902  
(612) 455-3800

By: 

Douglas P. Mueller  
Reg. No. 30,300